

BALLOT FOR IMIS WORKSHOP SOLUTIONS - DAY THREE

ID Number	Solution	User Score	Vendor Score	Researcher Score	Combined Score
1.1.1	To develop a shared vision, gather parties - what are vendor (CAD, metrology, Product Lifecycle Management (PLM - e.g. PTC, UG, Autodesk, Dassault) business objectives, what are user (eg. AIAG, suppliers,) business objectives, what are government and standards organizations objectives, find alignment between them. Solution must be win-win for all.	6	21.5	6	33.5
1.2.1	Realize an api-based solution.	3	3	6	12
1.2.2	A standard data format, STEP	4	10	4	18
1.3.1	CAD community puts associated GD&T in their data formats. This requires consensus. This is related to the meta-issue of lack of business case consensus.	8	12.5		20.5
					0
2.1.1	Showstopper – must be resolved. Issue: Lack of comprehensive non-shape product definitions – CAD Tolerance Data, material properties, optical properties would be etc.	25	34	12	71
2.2.1	Define extensible interface standard for measurement, knowledge, rules, best practices	5	16		21
2.3a.1	Assess various measuring system capabilities & resource configuration information	2	1		3
2.3a.2	Need better sensor model for plug and play	1	8		9
2.3a.3	Define a common standard method of communicating measurement resource information	1	4		5
2.3b.1	Verify DMIS against various measuring	10	6		16
2.3c.1	Define content of the interface.	2	4		6
					0
3.1.1	Resolve IP, legal issues	8	23.5	4	35.5
3.2.1	Resolve I++ DME v. DMIS Part 2 issue	4	12		16
3.3.1	Extend I++ DME	5	21	4	30
3.4.1	Establish a formal framework	3	8	3	14
3.5.1	Remove barriers to implementation		4		4
					0
4.1.1	Provide unified data models for single part inspection measurement results	1	16.5	15	32.5
4.2.1	Develop unified data model	4	11	5	20
4.3.1	Handle large data and provide acceptable performance	3	6	8	17
4.4.1	Augment data flow models to uniformly integrate data from different sources into single part and summary report data models	4	1	3	8
4.5.1	Augment data model for feedback to manufacturing	3	2	2.5	7.5
4.6.1	Capture and identify best practices and unify into a single standard		3	1	4
4.7.1	Develop a methodology to change the measurement and sampling plan based on measurement results		2	6.5	8.5
					0
					0

Instructions: You have a total of ten "metrology dollars" that may be "spent" to indicate your support for the solutions listed on this sheet. You may spend up to three dollars on any one solution. Therefore, you should show support for at least four solutions. Only one ballot per person please.

Key:

- 1.x.y - Product Definition
- 2.x.y - Process Definition
- 3.x.y - Process Execution
- 4.x.y - Analysis & Reporting

